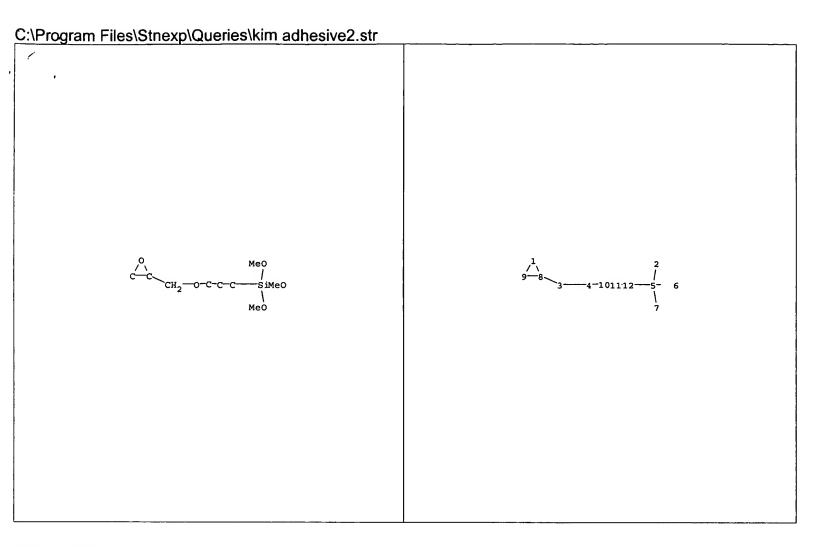
=> d his full

(FILE 'HOME' ENTERED AT 15:45:46 ON 04 AUG 2006)

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FILE 'REGISTRY' ENTERED AT 15:45:59 ON 04 AUG 2006
          49379 SEA ABB=ON PLU=ON EPOXY RESIN/PCT
L1
             1 SEA ABB=ON PLU=ON TIN OCTYLATE
L2
               D IDE
             1 SEA ABB=ON PLU=ON METAL SOAP
L3
               D IDE
               STRUCTURE UPLOADED
L4
L5
            50 SEA SSS SAM L4
L6
          2170 SEA SSS FUL L4
L7
       5754104 SEA ABB=ON PLU=ON AMINE OR AMIDE
     FILE 'CAPLUS' ENTERED AT 15:49:51 ON 04 AUG 2006
L8
         75574 SEA ABB=ON PLU=ON L1
L9
           473 SEA ABB=ON PLU=ON L2 OR L3
L10
            40 SEA ABB=ON PLU=ON L8 AND L9
L11
             2 SEA ABB=ON PLU=ON L10 AND L6
               D IBIB ABS HITSTR HITIND 1-2
               SET LINE 250
               SET DETAIL OFF
               E METAL SOAPS+ALL/CT
               SET LINE LOGIN
               SET DETAIL LOGIN
L12
         24654 SEA ABB=ON PLU=ON METAL? SOAP OR COPPER NAPHTH? OR TIN
               OCTYLATE OR (TIN OR SN OR ZINC OR ZN OR ALUMINUM OR AL OR
               MANGANESE OR MN) (2W) (OCTYL? OR NONYL? OR STEAR? OR NAPHTH? OR
               OCTHIX?)
L13
           556 SEA ABB=ON PLU=ON L8 AND L12
             6 SEA ABB=ON PLU=ON L13 AND L6
L14
L15
             4 SEA ABB=ON PLU=ON (?AMINE OR ?AMIDE) AND L14
             3 SEA ABB=ON PLU=ON L15 NOT L11
L16
               D IBIB ABS HITSTR HITIND 1-3
L17
         37175 SEA ABB=ON PLU=ON ?METHOXYSILAN? OR ?OXIRANYL?(3W)(SILAN?)
               OR ?METHOXY? (3W) (SILAN?)
L18
            19 SEA ABB=ON PLU=ON L13 AND L17
             8 SEA ABB=ON PLU=ON (?AMINE OR ?AMIDE) AND L18
L19
L20
             5 SEA ABB=ON PLU=ON L19 NOT L15
               D IBIB ABS HITSTR HITIND 1-5
     FILE 'JAPIO, KOREAPAT' ENTERED AT 16:14:25 ON 04 AUG 2006
L21
          74143 SEA ABB=ON PLU=ON EPOXY OR ?BISPHENOL? OR EPIKOTE
L22
           171 SEA ABB=ON PLU=ON L21 AND L12
             1 SEA ABB=ON PLU=ON L17 AND L22
L23
               D IALL
L24
             O SEA ABB=ON PLU=ON L22 AND (ORGANO?(W)(SILICON OR SI OR
               SILAN?))
```



chain nodes:

2 3 4 5 6 7 10 11 12

ring nodes:

1 8 9

chain bonds:

2-5 3-8 3-4 4-10 5-6 5-7 5-12 10-11 11-12

ring bonds:

1-8 1-9 8-9

exact/norm bonds :

1-8 1-9 4-10 8-9

exact bonds:

2-5 3-8 3-4 5-6 5-7 5-12 10-11 11-12

Match level:

1:Atom 2:CLASS3:CLASS4:CLASS5:CLASS6:CLASS7:CLASS8:Atom 9:Atom 10:CLASS11:CLASS 12:CLASS

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

2000:105259 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 132:152953

TITLE: Storage-stable one-liquid epoxy resin adhesive

compositions exhibiting high adhesion

INVENTOR(S): Kotani, Hiroshi; Takeda, Toshimitsu; Adachi, Naoya;

Okudaira, Hiroyuki

PATENT ASSIGNEE(S): Yokohama Rubber Co., Ltd., Japan SOURCE:

Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000044914	A2	20000215	JP 1998-218866	19980803
PRIORITY APPLN. INFO.:			JP 1998-218866	19980803

AB The compns. comprise (A) 100 parts epoxy resins having ≥2 epoxy groups, (B) compds. having ≥2 ketimine groups in an amount to satisfy an imino/epoxy equivalent ratio of (0.5-2)/1, and (C) 1-30 parts compds. which release ≥1 C1-5 alcs. by hydrolysis and/or 0.1-10 parts C4-12 organic acid metal soaps containing Groups 7A to 5B elements. Thus, a composition comprising epoxy resin (YD 128) 100, precipitated CaCO3 70, heavy CaCO3 30, norbornanediamine Me iso-Pr ketone ketimine 38, and vinyltriethoxysilane 5 parts showed viscosity 96 Pa-s initially and 180 after 1 day at 70° and good adhesion to mortar.

IT 4288-15-7, Nikka Octhix Tin

RL: CAT (Catalyst use); MOA (Modifier or additive use); USES (Uses) (storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

4288-15-7 CAPLUS RN

CN Octanoic acid, tin salt (8CI, 9CI) (CA INDEX NAME)

 HO_2C^- (CH₂)₆-Me

 \bullet x Sn(x)

IT 2530-83-8

RL: CAT (Catalyst use); RCT (Reactant); RACT (Reactant or reagent); USES

(storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

RN 2530-83-8 CAPLUS

Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME) CN

O OME
$$CH_2-O-(CH_2)_3-Si-OMe$$
 OME OMe

IT 113930-69-1P 124679-18-1P 215722-08-0P,

NBDA-YD 128 copolymer

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

RN 113930-69-1 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1,3benzenedimethanamine and (chloromethyl)oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 1477-55-0 CMF C8 H12 N2

$$^{\rm H_2N-\,CH_2}$$

CM 2

CRN 106-89-8 CMF C3 H5 Cl O

CM 3

CRN 80-05-7 CMF C15 H16 O2

RN 124679-18-1 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 1-[bis[2-[(1,3-dimethylbutylidene)amino]ethyl]amino]-3-butoxy-2-propanol and (chloromethyl)oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 37187-55-6 CMF C23 H47 N3 O2

CM 2

CRN 106-89-8 CMF C3 H5 Cl O

CM 3

CRN 80-05-7 CMF C15 H16 O2

RN 215722-08-0 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with bicyclo[2.2.1]heptane-2,?-dimethanamine and (chloromethyl)oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 62196-77-4 CMF C9 H18 N2 CCI IDS

$$D1-CH_2-NH_2$$

CM 2

CRN 106-89-8 CMF C3 H5 Cl O

CM 3

CRN 80-05-7 CMF C15 H16 O2

IC ICM C09J163-00

ICS C08G059-40

CC 38-3 (Plastics Fabrication and Uses)

IT 557-09-5, Nikka Octhix Zinc 4288-15-7, Nikka Octhix Tin

15956-58-8 107129-35-1, Nikka Octhix Lead

RL: CAT (Catalyst use); MOA (Modifier or additive use); USES (Uses) (storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

IT 78-08-0 149-73-5, Methyl orthoformate 1067-53-4, Vinyltris(2methoxyethoxy)silane 2530-83-8 2768-02-7

RL: CAT (Catalyst use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)

(storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

IT 113930-69-1P 124679-18-1P 215722-08-0P,

NBDA-YD 128 copolymer

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(storage-stable one-liquid epoxy resin adhesive compns. exhibiting high adhesion)

L20 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:94923 CAPLUS

DOCUMENT NUMBER: 138:161951

TITLE: Thermosetting epoxy resin compositions in manufacture

of multilayer printed circuit boards

INVENTOR(S):
Ota, Naoko; Kimura, Norio; Yoshida, Masato

PATENT ASSIGNEE(S): Taiyo Ink Mfg Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003037368	A2	20030207	JP 2001-223535	20010724
PRIORITY APPLN. INFO.:			JP 2001-223535	20010724
AB The title compns.	contain:	(A) alkoxy	group containing sil	ane modified epoxy
resins which are	obtained	by alcrem	noval condensation rea	ction without
use of solvents of	ultifunctional epox			
resins 1 mass part	ts, and (b) alkoxysi	lane partial condensa	tes 0.1-0.5 mass

resins which are obtained by alc.-removal condensation reaction without use of solvents of (a) binary hydroxide group containing multifunctional epoxy resins 1 mass parts, and (b) alkoxysilane partial condensates 0.1-0.5 mass parts (in terms of SiO2); (B) epoxy resin hardening agents, and (C) silanol condensation acceleration agents. Manufacture of multilayer printed circuit boards includes: (1) deposition of the compns. on pattern-worked inner-layer circuit substrates, and forming insulator layers through thermal hardening, silanol condensation reaction and epoxy resin hardening, (2) forming contact holes in the insulator layers, and (3) roughening the insulator layer surface, and forming elec. conductive layers on them. The multilayer printed circuit boards thus manufactured have excellent heat resistance, cracking resistance and elec. insulation.

IT 25068-38-6, Epikote 828
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(thermosetting epoxy resin compns. in manufacture of multilayer printed

circuit boards)

RN 25068-38-6 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 106-89-8 CMF C3 H5 Cl O

CH2−C1

CM 2

CRN 80-05-7 CMF C15 H16 O2

IC ICM H05K003-46

ICS H05K003-46; C08G059-14; C08G059-30

CC 76-2 (Electric Phenomena)

Section cross-reference(s): 38

TT 7631-86-9, Silica, processes 25068-38-6, Epikote 828
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(thermosetting epoxy resin compns. in manufacture of multilayer printed circuit boards)

IT 461-58-5, Dicyano diamide 4288-15-7, Tin

octylate

RL: MOA (Modifier or additive use); USES (Uses) (thermosetting epoxy resin compns. in manufacture of multilayer printed circuit boards)

IT 25498-03-7, Polymethyltrimethoxysilane

RL: RCT (Reactant); RACT (Reactant or reagent)
(thermosetting epoxy resin compns. in manufacture of multilayer printed circuit boards)

L20 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:538298 CAPLUS

DOCUMENT NUMBER: 137:95326

TITLE: Curable compositions for sealants with good curability

in thin layers

INVENTOR(S): Yano, Satoko; Okamoto, Toshihiko; Takase, Junji PATENT ASSIGNEE(S): Kanegafuchi Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

KIND	DATE	APPLICATION NO.	DATE
A2	20020719	JP 2001-1143	20010109
		JP 2001-1143	20010109
			A2 20020719 JP 2001-1143

OTHER SOURCE(S): MARPAT 137:95326

AB The compns. contain (A) polymers having OH or hydrolyzable group bonded to Si, (B) silanol condensation catalysts, and (C) secondary amines having (un)substituted saturated C≥6 hydrocarbyl group. Thus, a composition containing

reactive silyl group-terminated polyisobutylene [manufactured from p-C6H4(CMe2Cl)2, isobutylene, allyltrimethylsilane, and (MeO)2SiHMe], process oil, Epikote 828, hydrogenated α -olefin oligomer, CaCO3, Aronix M 309, and other additives was mixed with a hardener comprising U 28 (Sn octylate) and dicyclohexylamine to give a sealant showing skinning time 265 min and good curability after coating on a substrate.

IT **25068-38-6**, Epikote 828

RL: TEM (Technical or engineered material use); USES (Uses) (curable compns. for sealants with good curability in thin layers)

RN 25068-38-6 CAPLUS

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 106-89-8 CMF C3 H5 Cl O

CH2-C1

CM 2

CRN 80-05-7 CMF C15 H16 O2

ICM C08L101-10 IC

ICS C08K005-17; C09K003-10

CC 42-11 (Coatings, Inks, and Related Products)

STsealant thin layer curability secondary amine; silyl polyisobutylene sealant curability secondary amine

IT 101-83-7, Dicyclohexylamine

RL: CAT (Catalyst use); USES (Uses)

(cocatalyst; curable compns. for sealants with good curability in thin layers)

IT 762-72-1DP, Allyltrimethylsilane, reaction products with chlorine-terminated polyisobutylene and methyldimethoxysilane 16881-77-9DP, Methyldimethoxysilane, reaction products with allyl-terminated polyisobutylene 74485-54-4DP, reaction products with allyltrimethylsilane and methyldimethoxysilane RL: IMF (Industrial manufacture); TEM (Technical or engineered material

use); PREP (Preparation); USES (Uses) (curable compns. for sealants with good curability in thin layers)

25068-38-6, Epikote 828 36446-02-3, Aronix M 309 homopolymer

304855-40-1, MS Polymer S 810

RL: TEM (Technical or engineered material use); USES (Uses)

(curable compns. for sealants with good curability in thin layers)